

Title (en)

Method and means for decreasing the peak to average power ratio in mobile phones

Title (de)

Verfahren und Vorrichtung zur Verringerung des Verhältnisses von Spitzen- zu Durchschnittsleistung in Mobiltelefonen

Title (fr)

Procédé et dispositif de réduction du rapport puissance de crête et puissance moyenne dans les telephones mobiles

Publication

EP 1659703 A1 20060524 (EN)

Application

EP 04292727 A 20041117

Priority

EP 04292727 A 20041117

Abstract (en)

A method for improving the output signal of a mobile terminal, in particular a UMTS mobile terminal, comprises the steps of a. clipping said signal for decreasing its peak to average power ratio to a predefined threshold; b. submitting said clipped signal to a power amplifier designed to amplify the clipped signal. Thus, the power amplifier design of the mobile terminal becomes independent of the number of channels used in the digital processing chain of the mobile terminal.

IPC 8 full level

H04B 1/707 (2006.01)

CPC (source: EP KR US)

H03F 1/02 (2013.01 - EP US); **H04B 1/40** (2013.01 - KR); **H04B 1/707** (2013.01 - EP US); **H04B 2201/70706** (2013.01 - EP US)

Citation (search report)

- [X] US 2004169557 A1 20040902 - KENINGTON PETER [GB], et al
- [Y] US 5287387 A 19940215 - BIRCHLER MARK A [US]
- [Y] EP 1195892 A1 20020410 - CIT ALCATEL [FR]
- [Y] US 2003219079 A1 20031127 - PIIRAINEN OLLI [FI], et al
- [Y] HOLMA H, TOSKALA A: "WCDMA for UMTS", WILEY AND SONS, 2001, CHICHESTER, pages 84 - 86, XP002318096

Cited by

WO2008021392A3

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1659703 A1 20060524; CN 1777046 A 20060524; JP 2006148899 A 20060608; KR 100689170 B1 20070309; KR 20060055323 A 20060523; US 2006094475 A1 20060504

DOCDB simple family (application)

EP 04292727 A 20041117; CN 200510115257 A 20051111; JP 2005326975 A 20051111; KR 20050103657 A 20051101; US 26525205 A 20051103